United States
Department of
Agriculture

**Soil
Conservation
Service**

Reno
Nevada

Nevada
Water Supply Outlook

March 1, 1987

Foreward

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 97102
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97208
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

Nevada
Water Supply Outlook

and

Federal - State - Private
Cooperative Snow Surveys

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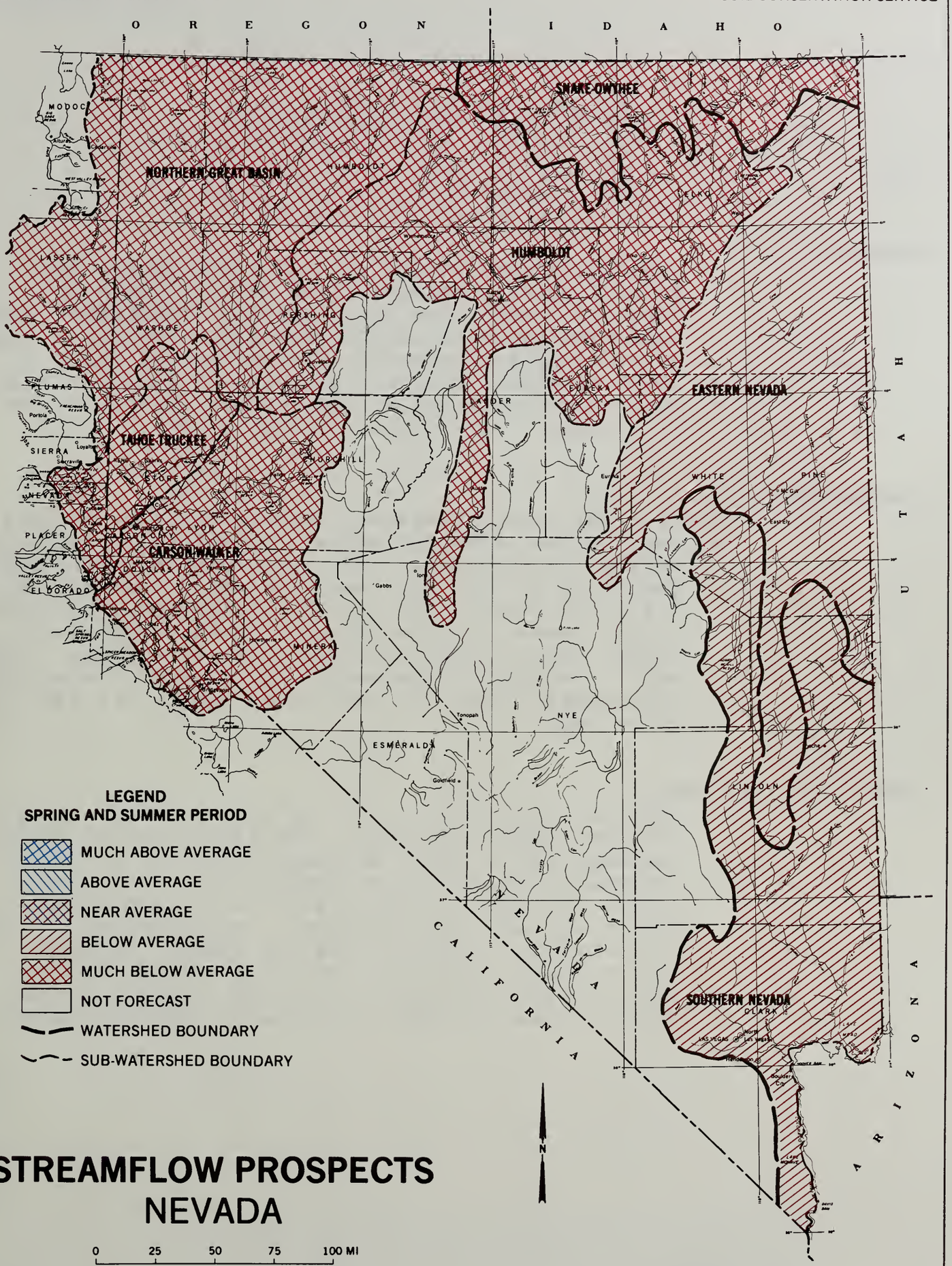
U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE



LEGEND
SPRING AND SUMMER PERIOD

- MUCH ABOVE AVERAGE
- ABOVE AVERAGE
- NEAR AVERAGE
- BELOW AVERAGE
- MUCH BELOW AVERAGE
- NOT FORECAST
- WATERSHED BOUNDARY
- SUB-WATERSHED BOUNDARY

STREAMFLOW PROSPECTS
NEVADA

0 25 50 75 100 MI

0 50 100 150 KM

SOURCE: Data compiled by SCS Field Personnel.

APRIL 1985 4-R-39131

USDA-SCS-FORT WORTH, TEXAS 1985

GENERAL OUTLOOK

SUMMARY:

SNOWPACK ACCUMULATIONS FOR THE STATE REMAIN WELL BELOW AVERAGE. PRECIPITATION FOR THE MONTH OF FEBRUARY RANGED FROM BELOW AVERAGE TO AVERAGE. WATER YEAR PRECIPITATION VARIED FROM BELOW AVERAGE TO WELL BELOW AVERAGE. RESERVOIR STORAGE IN THE STATE IS ABOVE AVERAGE. STREAMFLOW FORECASTS INDICATE FLOWS WILL BE BELOW AVERAGE TO WELL BELOW AVERAGE DURING THE APRIL - JULY FORECAST PERIOD.

SNOWPACK:

As of March 1, snowpacks remain well below average for all basins in the state. Snowpacks in Southern Nevada and the western portion of the Northern Great Basin are 31% and 36%, respectively. The snowpack in the Walker River basin is 47% of average. Snowpacks in the Tahoe, Truckee, Carson, Snake and Eastern Nevada basins range from 51% - 59% of average. Snow water contents in the eastern portion of the Northern Great Basin, Humboldt and Owyhee basins are 63% - 65% of average.

PRECIPITATION:

Monthly precipitation for the month of February was below average to average. The Carson-Walker basins recieved 89% of their average precipitation. Eastern Nevada, Southern Nevada, Humboldt and the eastern portion of the Northern Great Basin had from 93% to 97% of average precipitation. Precipitation in the Snake-Owyhee, Tahoe-Truckee and western portion of the Northern Great Basin was 101% - 103% of normal. Year to date precipitation ranged from 40% in the Tahoe-Truckee to 85% of average in Southern Nevada.

RESERVOIRS:

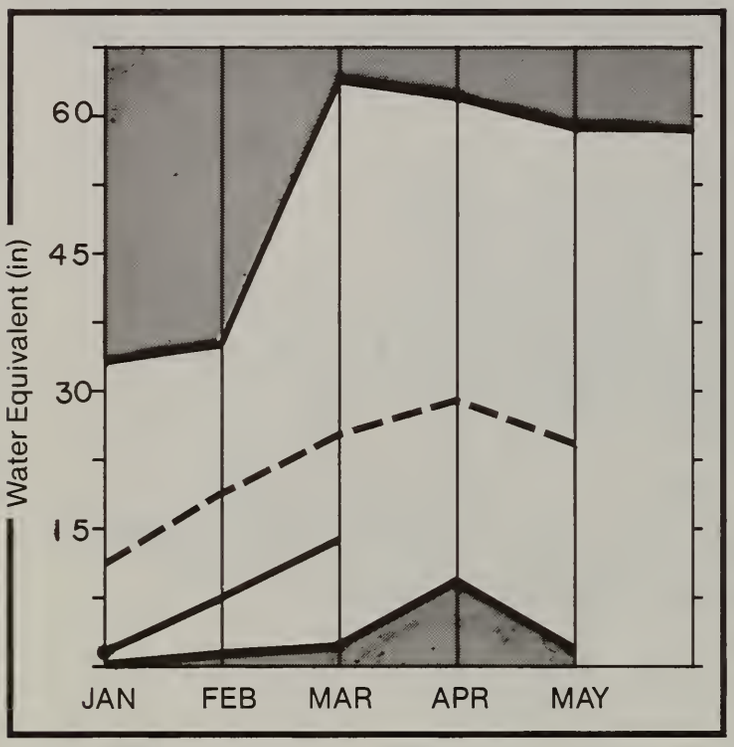
Reservoir storage in the state is above average. Storage in the Carson-Walker and Tahoe-Truckee basins is above average with 110% and 122% of normal, respectively. The Humboldt and Snake-Owyhee basins both have well above average storage at 137% and 147%, respectively. Total storage in the seven major reservoirs and lakes is 117% of average at 1,000,400 acre feet of stored water. Total storage this year is 79% of last year at this time.

STREAMFLOW:

Streamflows for the state are forecast to be below average to well below average. Streamflows in the Tahoe-Truckee are expected to be 47% - 64% of normal. Carson-Walker Basin streamflows are forecast at 35% - 58% of normal. Predicted flows in the Northern Great Basin range from 40% to 72% of average. Estimated flows for the Humboldt Basin are from 45% to 72% of average. Streamflows in the Snake-Owyhee Basins are projected at 47% - 55% of average. Eastern Nevada flows are forecast at 56% - 85% of average.

TAHOE & TRUCKEE BASINS

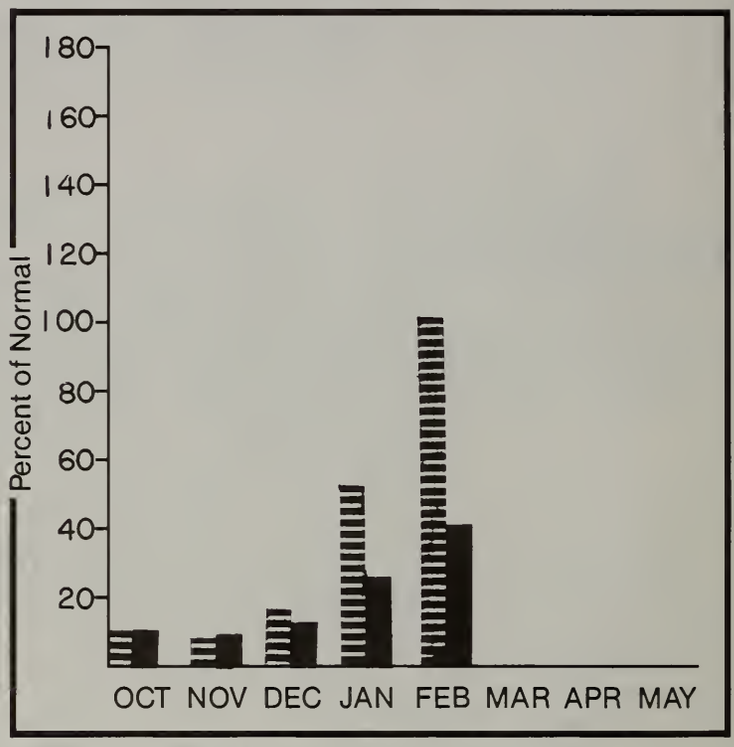
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snow water contents for March are well below average. The Lake Tahoe Basin has about 53% of the average snowpack and 35% of the water content present last year. The Truckee Basin presently has 37% of last year's snowpack and is 53% of normal. February precipitation was 101% of average and 27% of last year. Total precipitation since October 1, 1986 is 40% of average and 29% of last year's total precipitation figures at this time. Reservoir storage is 22% over the average. Total storage for Boca, Lake Tahoe, Prosser and Stampede is 697,300 acre feet. Streamflow forecasts indicate flows will be well below average during the April - July forecast period. The Truckee River at Farad is expected to flow at 49% of normal.

For more information contact your local Soil Conservation Service office.

TAHOE & TRUCKEE BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
LAKE TAHOE RISE(assume gates closed)	APR-HIG	1.5	0.7	47	1.0	68	0.2	14
TRUCKEE RIVER at Farad 2	APR-JUL	284.7	140.0	49	268.0	94	60.0	21
LITTLE TRUCKEE RIVER above Boca 2	APR-JUL	91.5	45.0	49	91.0	99	15.0	16
PYRAMID LAKE RISE (LOW 12/1/85)	LOW-HIG	1.2	-0.9	35	0.0	62	-2.0	5
STEAMBOAT CREEK at Steamboat 2	APR-JUL	7.1	4.3	61	7.0	99	1.0	14
SAGEHEN CREEK, Ca	APR-JUL	6.5	3.3	51	7.0	108	1.0	15
GALENA CREEK nr Steamboat, Nv	APR-JUL	4.5	2.9	64	5.0	111	1.0	22

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
BOCA RESERVOIR	40.9	23.0	31.5	19.3
LAKE TAHOE	744.6	481.9	664.6	418.5
PROSSER RESERVOIR	28.6	9.5	9.7	8.3
STAMPEDE RESERVOIR	226.5	182.9	158.6	127.6

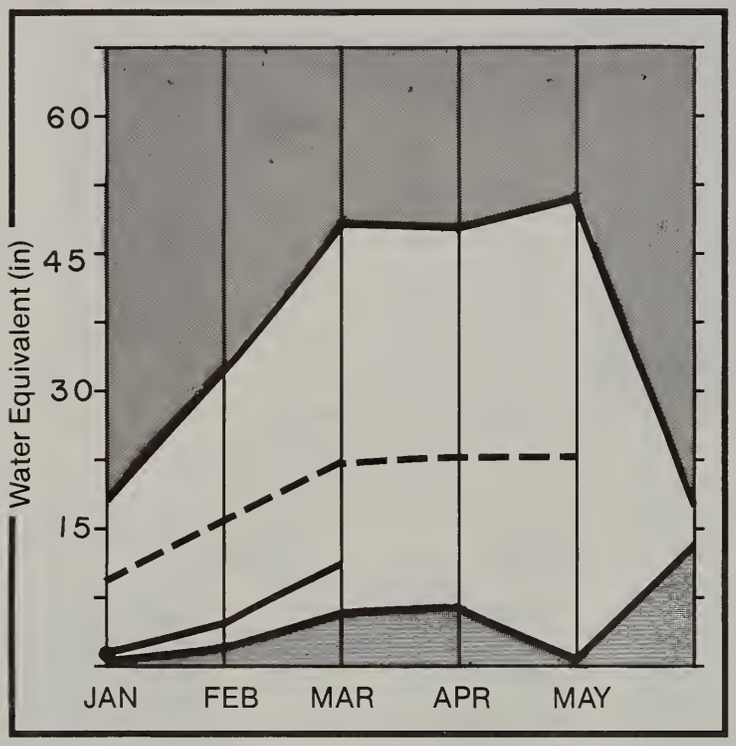
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
LAKE TAHOE RISE	15	35	53
TRUCKEE BASIN	16	37	53
LITTLE TRUCKEE RIVER	3	32	47
SAGE HEN CREEK	5	38	54
GALENA CREEK	3	26	43
STEAMBOAT DRAINAGE	2	24	37
PYRAMID LAKE	31	36	53

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

CARSON & WALKER BASINS

Mountain snowpack* (inches)



*Based on selected stations

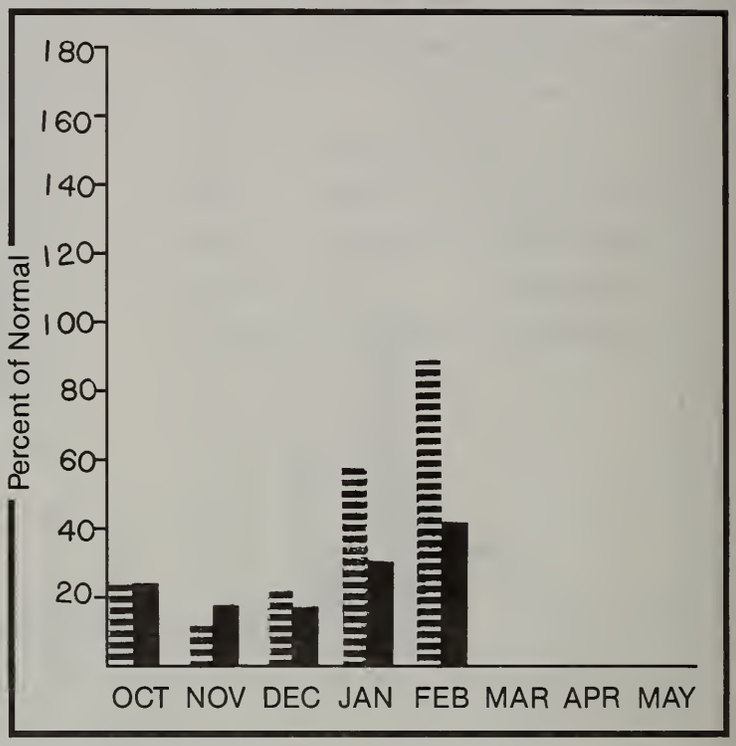
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack accumulations remain well below average for March. The water content in the Carson River Basin is 51% of average and 33% of last year's water content. The Walker River Basin has 47% of the average snowpack and 37% of last year's snowpack. February precipitation in the Carson-Walker Basins is 89% of normal and only 27% of last February's recorded precipitation. Year to date precipitation is well below average at 42%. This year's total precipitation is 29% of the year to date figures last year at this time. Water storage at Bridgeport, Lahontan and Topas reservoirs is 10% above normal. Streamflows are expected to range from 35% - 58% of normal. The Carson River near Carson City is forecast to flow at 38% of normal.

For more information contact your local Soil Conservation Service office.

CARSON & WALKER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
EF CARSON RIVER nr Gardnerville, Nv	APR-JUL	198.4	116.0	58	178.0	90	54.0	27
WF CARSON RIVER at Woodfords, Ca	APR-JUL	56.7	32.0	56	50.0	88	14.0	25
CARSON RIVER near Carson City, Nv	APR-JUL	198.3	75.0	38	162.0	82	30.0	15
CARSON RIVER near Ft. Churchill, Nv	APR-JUL	182.4	63.0	35	152.0	83	18.0	10
EAST WALKER RIVER nr Bridgeport 2	APR-AUG	76.8	33.0	43	72.0	94	12.0	16
WEST WALKER RIVER near Coleville, Ca	APR-JUL	154.6	72.0	47	117.0	76	27.0	17
WALKER LAKE RISE (LOW 1/6/86)	LOW-HIG	-0.0	-0.7	35	0.0	101	-2.7	10

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	xx USEABLE STORAGE xx THIS YEAR	LAST YEAR	AVG.
BRIDGEPORT RESERVOIR	42.5	40.7	34.6	32.2
LAHONTAN RESERVOIR	295.1	227.4	292.7	211.9
TOPAZ RESERVOIR	59.4	37.3	48.9	33.9

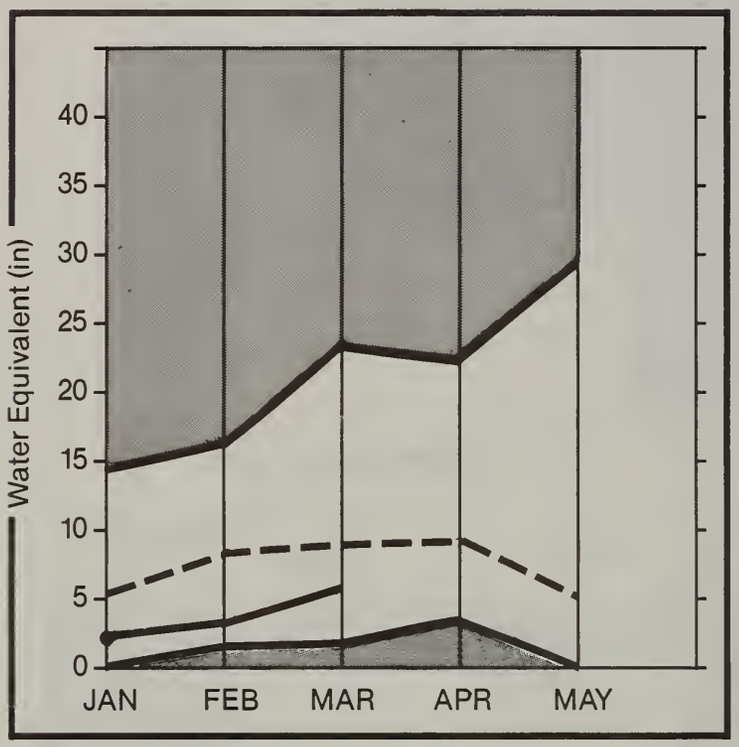
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
E. CARSON RIVER	7	33	50
W. CARSON RIVER	4	34	51
CARSON Rv. at Carson City	6	33	52
CARSON Rv. at Ft. Churchi	6	33	52
E. WALKER Rv. nr Bridgepo	6	29	46
W. WALKER Rv. nr Colevill	8	29	46
WALKER LAKE RISE	9	28	46

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

HUMBOLDT BASIN

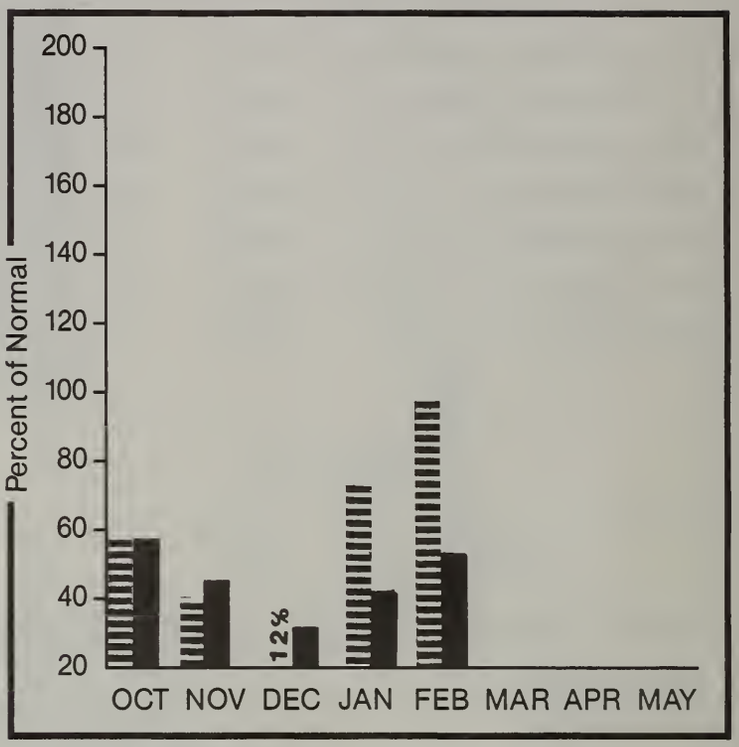
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snow water accumulations are still well below average. Snowpack in the Upper Humboldt Basin is 63% of average and 56% of last year's snow water content. The Lower Humboldt Basin is 71% of average and 45% of the snowpack present last year. Monthly precipitation for February was 97% of average and 50% of last year's monthy totals. Year to date precipitation is 53% of normal and 51% of last year's year to date totals. Water stored at Rye Patch Reservoir is well above average. Storage is 37% above the average. On March 1, no water was being released from the reservoir. Streamflows for the Humboldt Basin remain well below average. The Humboldt River at Palisade is expected to flow at 140,000 acre feet or 52% of normal.

For more information contact your local Soil Conservation Service office.

HUMBOLDT BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
HUMBOLDT RIVER at Palisade	APR-JUL	269.0	140.0	52	353.0	131	70.0	26
HUMBOLDT RIVER at Comus	APR-JUL	229.1	98.0	43	329.0	144	50.0	22
S FORK HUMBOLDT RIVER at Dixie	APR-JUL	71.5	45.0	63	92.0	129	15.0	21
NF HUMBOLDT RIVER at Devils Gate	APR-JUL	34.3	22.0	64	47.0	137	10.0	29
MARY'S RIVER nr Deeth	APR-JUL	24.4	15.3	63	27.0	111	4.0	16
MARTIN CREEK nr Paradise Nv	APR-JUL	19.0	13.0	68	21.0	111	5.0	26
LAMOILLE CREEK nr Lamoille	APR-JUL	29.5	21.0	71	32.0	108	10.0	34
REESE RIVER nr Ione Nv	APR-JUL	7.8	5.6	72	11.0	141	2.0	26
L. HUMBOLDT RIVER nr Paradise Valley	APR-JUL	12.5	8.4	67	14.0	112	3.0	24
ROCK CREEK nr Battle Mtn.	APR-JUL	22.0	13.4	61	28.0	127	5.0	23

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
RYE PATCH RESERVOIR	194.3	149.4	140.9	109.1

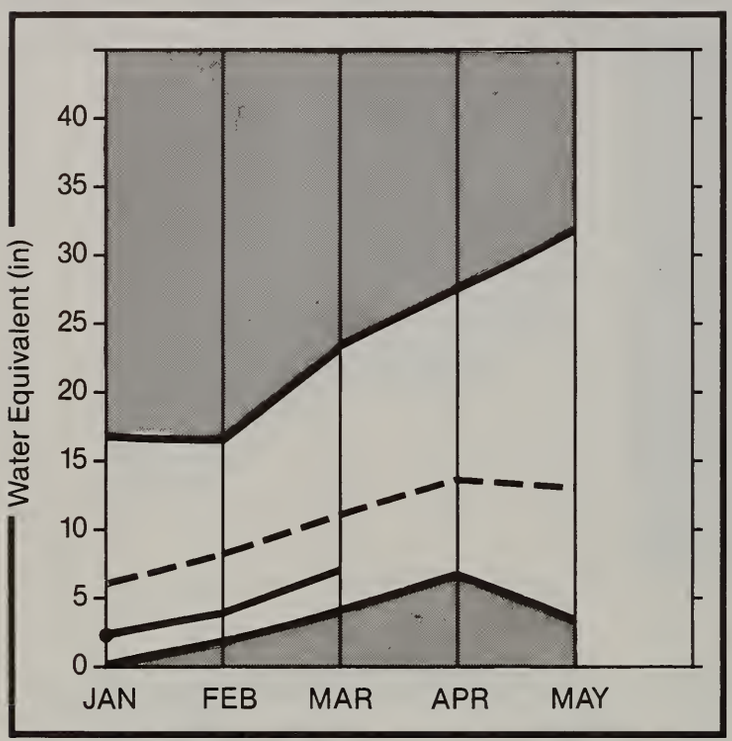
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
LAMOILLE CREEK	3	47	69
S. FORK HUMBOLDT	11	53	62
MARY'S RIVER	5	50	58
N. FORK HUMBOLDT	9	50	66
HUMBOLDT Rv. at Palisades	12	49	64
HUMBOLDT RIVER at Comus	12	49	64
LITTLE HUMBOLDT RIVER	4	34	59
MARTIN CREEK	5	39	65
REESE RIVER	3	59	77
ROCK CREEK	4	57	77

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

SNAKE & OWYHEE BASINS

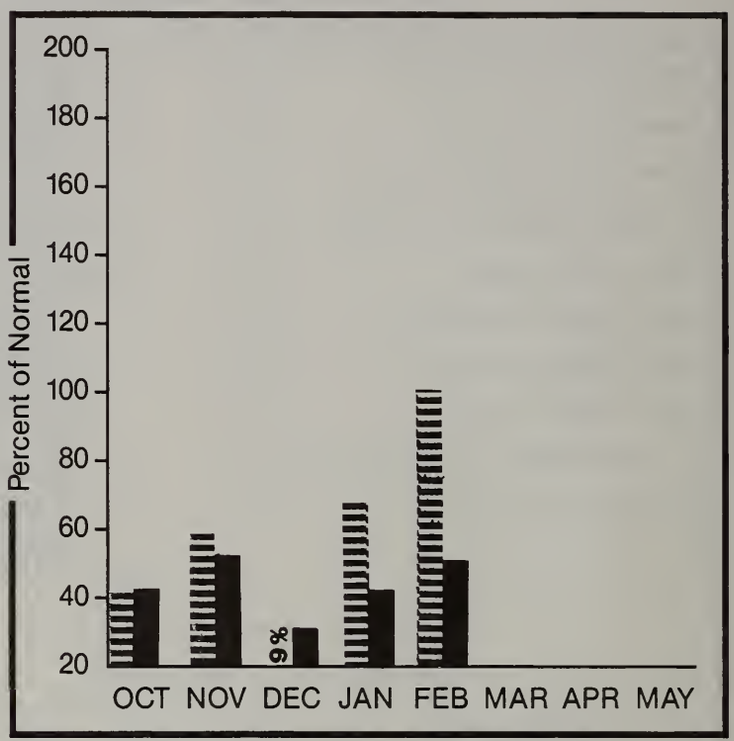
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snow water content is well below average. Snowpack in the Snake is 59% of average and 51% of the amount of water in the snowpack last year at this time. The Owyhee snow water content is 65% of normal and 48% of last year. Precipitation during February was 101% of average and 34% of last February's precipicitation amounts. Year to date precipitation was 51% of normal and 44% of the total precipitation recorded last year at this time. Reservoir storage at Wildhorse is well above average. Usable storage is 47% above the average. Streamflows are expected to stay well below average. The Owyhee River near Owyhee is forecast at 47% of average.

For more information contact your local Soil Conservation Service office.

SNAKE & OWYHEE BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
OWYHEE RIVER nr Gold Creek	APR-JUL	30.4	15.0	49	31.0	102	8.0	26
OWYHEE RIVER nr Owyhee	APR-JUL	86.0	40.0	47	86.0	100	12.0	14
S FORK OWYHEE nr White Rock, Nv	APR-JUL	83.0	45.5	55	89.0	107	17.0	20
SALMON FALLS CK nr San Jacinto	MAR-JUL	97.0	50.0	52	89.0	92	11.0	11

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
WILDHORSE RESERVOIR	71.5	40.7	52.7	27.7

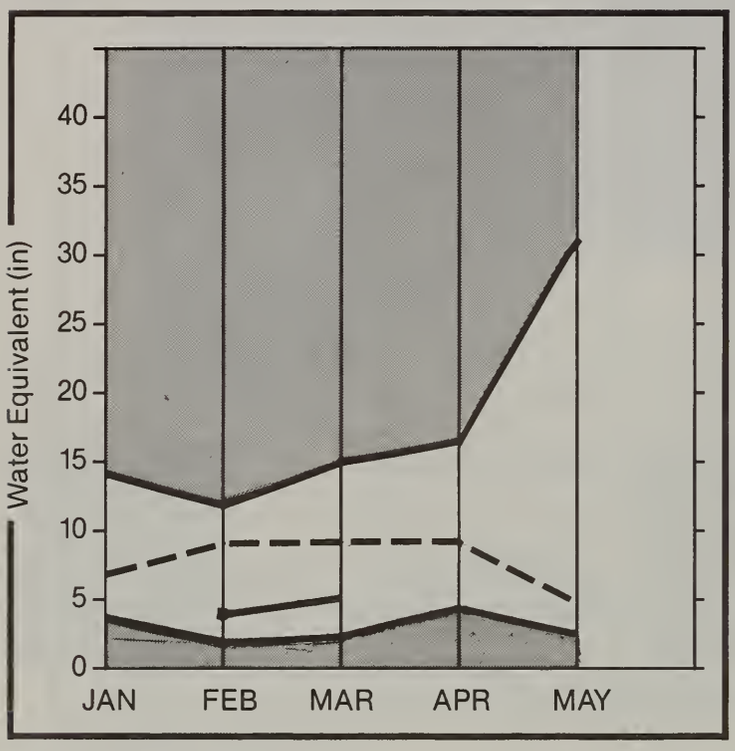
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	THIS YEAR AS % OF AVERAGE
OWYHEE RIVER nr Owyhee	7	47	63
OWYHEE Rv. nr Gold Creek	4	43	66
S. FORK OWYHEE RIVER	7	47	63
SALMON FALLS CREEK	4	50	57

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

EASTERN NEVADA

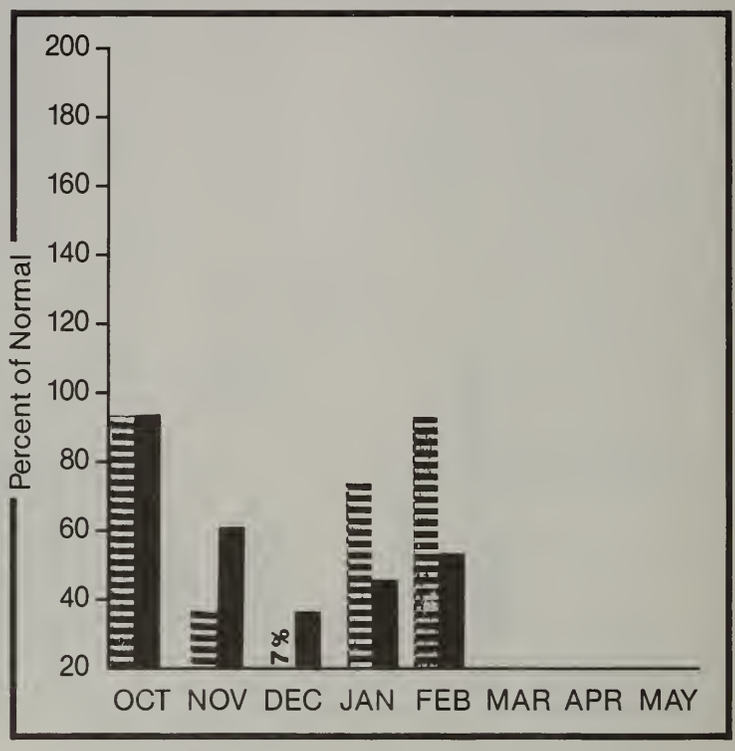
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation
Year to date precipitation

WATER SUPPLY OUTLOOK:

Snowpack accumulations are well below average. Water present in the snowpack is 55% of average and 44% of last year's snow water content. February precipitation was 93% of normal and 144% of last February's precipitation. Year to date precipitation is 54% of average and 158% of totals recorded at this time last year. Streamflow forecasts are expected to be below average. Steptoe Creek near Ely is forecast at 1800 acre feet or 56% of average. The Franklin River near Arthur is projected to flow 5800 acre feet or 85% of average.

For more information contact your local Soil Conservation Service office.

EASTERN NEVADA

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
STEPTOE CREEK nr Ely	APR-JUL	3.2	1.8	56	4.0	124	1.0	31
KINGSTON CREEK nr Austin, Nv	APR-JUL	4.2	3.5	83	6.0	142	1.0	24
FRANKLIN RIVER nr Arthur	APR-JUL	6.9	5.8	85	10.0	146	2.0	29

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.

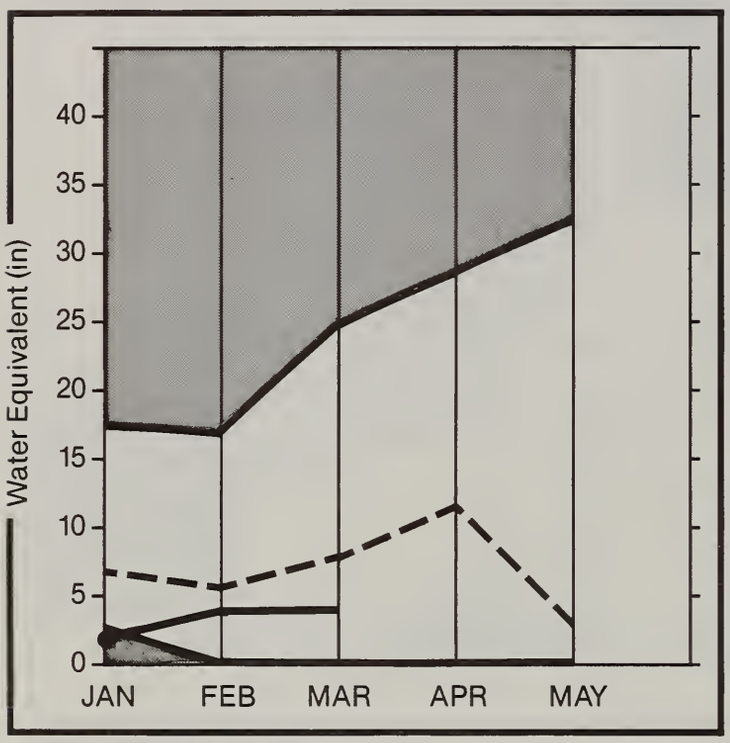
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
FRANKLIN RIVER	3	39	43
KINGSTON CREEK	3	59	77
EASTERN NEVADA	5	57	62
STEPTOE VALLEY	2	63	76

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

NORTHERN GREAT BASIN

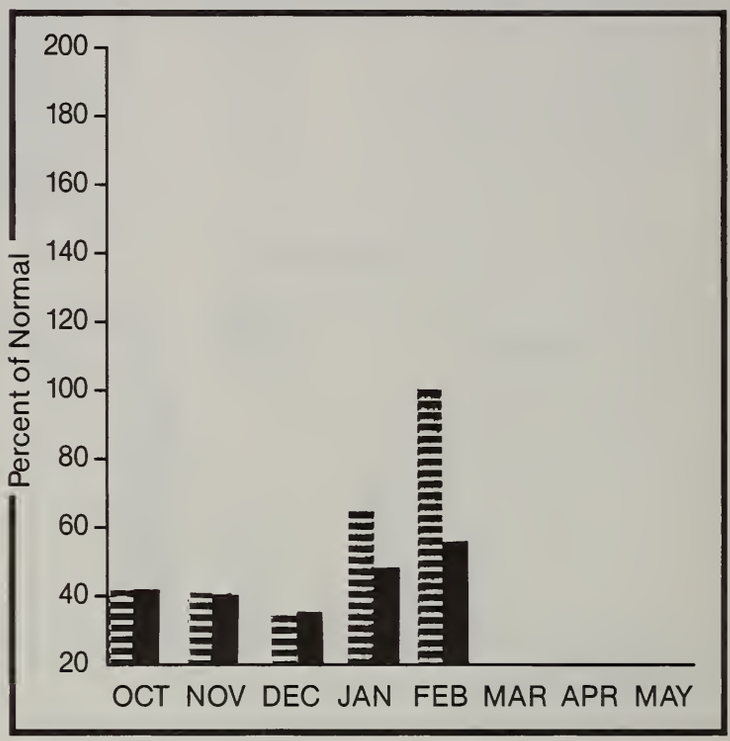
Mountain snowpack* (inches)



*Based on selected stations

Maximum
Minimum
Average
Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snow water content is well below average throughout the entire basin. The western portion of the basin is reporting 36% of the average snowpack while the eastern portion is showing 63% of average. The western portion of the basin is 54% of last year and the eastern portion is 38% of last year's snowpack. Precipitation recorded in February ranges from 95% of average in the east to 103% in the west. This year's February precipitation is 28% of last year's in the east and 29% of last year's in the west. Year to date precipitation is 60% of average in the west and 53% of average in the east. Total precipitation since October is 47% of last year in the east and 52% of last year in the west. Bidwell Creek near Fort Bidwell is forecast at 7000 ac. ft. or 58% of normal.

For more information contact your local Soil Conservation Service office.

NORTHERN GREAT BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BIDWELL CREEK nr Fort Bidwell	APR-JUL	12.0	7.0	58	13.0	108	2.0	17
DEEP CREEK nr Cedarville, Ca	APR-JUL	3.6	2.2	61	4.0	111	1.0	28
EAGLE CREEK nr Eagleville, Ca	APR-JUL	4.3	3.1	72	5.0	116	1.0	23
MILL CREEK nr Cedarville, Ca	APR-JUL	4.1	2.9	71	5.0	122	1.0	24
QUINN RIVER nr McDermitt, Nv	APR-JUL	16.0	9.0	56	16.0	100	5.0	31
E. FORK QUINN RIVER nr McDermitt	APR-JUL	10.4	6.7	64	11.0	106	2.0	19
MCDERMITT CREEK nr McDermitt	APR-JUL	14.4	5.7	40	12.0	83	2.0	14

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.

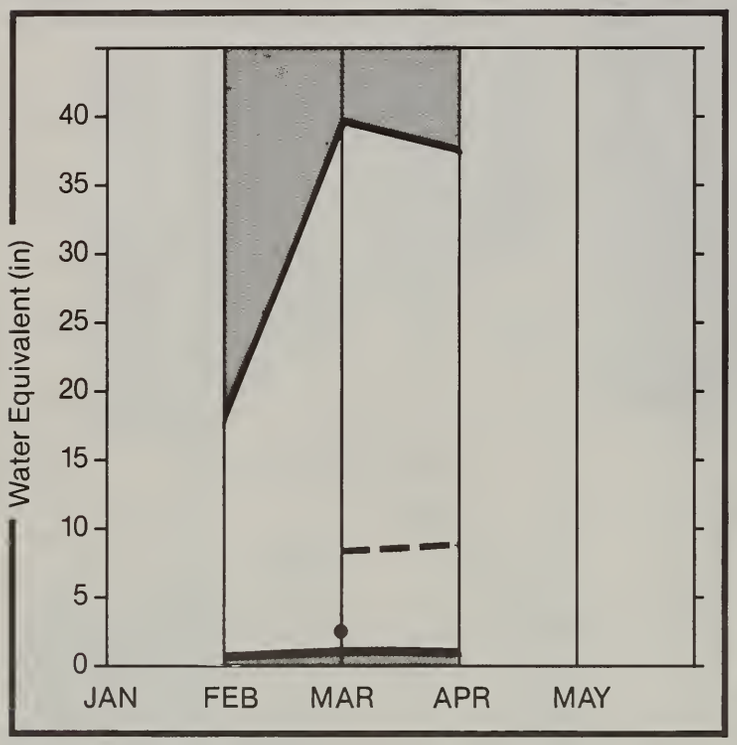
WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	AVERAGE
BIDWELL	1	54	36
MILL CREEK	0	0	0
DEEP CREEK	0	0	0
EAGLE CREEK	0	0	0
QUINN RIVER	2	32	57
E. FORK QUINN	2	32	57
McDERMITT CREEK	2	32	57

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

SOUTHERN NEVADA

Mountain snowpack* (inches)



*Based on selected stations

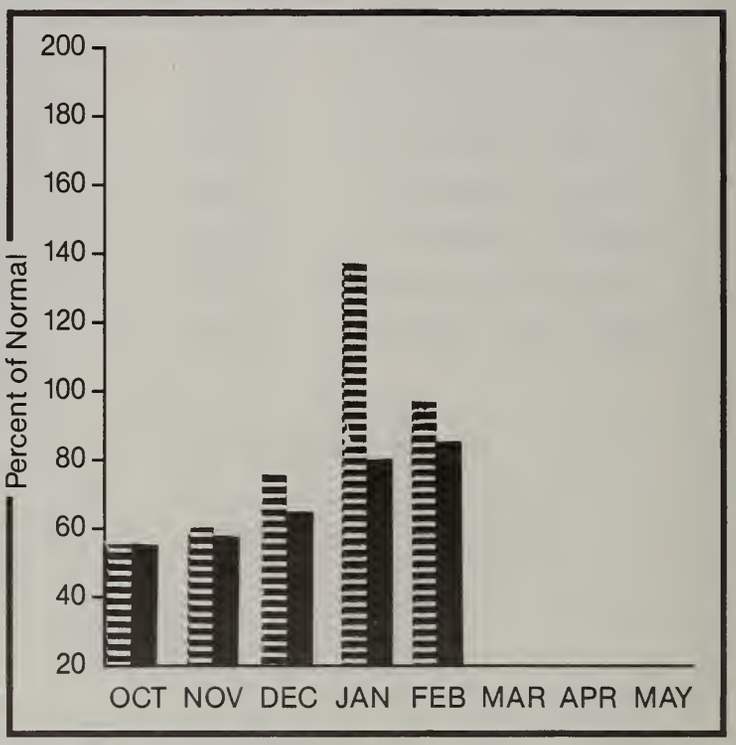
Maximum

Minimum

Average

Current

Precipitation* (percent of normal)



*Based on selected stations

Monthly precipitation

Year to date precipitation

WATER SUPPLY OUTLOOK:

Snow water content in the snowpack supplying the Virgin River is about 71% of average. Snowpack accumulation for the Lower Colorado River are 31% of normal and 29% of last year's snow water content. Monthly precipitation for February was 97% of average and 98% of last year's February totals. Total precipitation since October 1 is 85% of average and 95% of totals reported last year at this time. Storage at Lake Mohave is near normal at 102% of average. Storage at Lake Mead is above normal at 126% of average.

For more information contact your local Soil Conservation Service office.

SOUTHERN NEVADA

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
VIRGIN RIVER near Hurricane, UT	APR-JUL	68.0	50.0	74	75.0	110	23.0	34
LAKE POWELL inflow	APR-JUL	8086.0	7500.0	93	10411.0	129	4993.0	62

RESERVOIR STORAGE (1000AF)

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVG.
LAKE MOHAVE	1810.0	1711.0	1581.0	1664.0
LAKE MEAD	26159.0	24485.0	23321.0	19400.0

WATERSHED SNOWPACK ANALYSIS

WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF LAST YR.	THIS YEAR AS % OF AVERAGE
VIRGIN Rv. at Littlefield	4	79	71
VIRGIN Rv. at Hurricane,	4	79	71

1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.
2 - Corrected for upstream diversions or changes in reservoir storage.
The average is computed for the 1961-85 base period.

SNOW DATA MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
LAKE TAHOE						
ECHO PEAK (CA)	7800	2/27/87	58	19.5	55.5	34.2
ECHO SUMMIT (CA)	7450	2/27/87	50	14.9	41.9	28.4
FALLEN LEAF (CA)	6300	2/24/87	18	4.1	5.6	6.9
FREEL BENCH (CA)	7300	2/27/87	18	5.6	14.5	10.6
GLENBROOK #2	6900	2/28/87	24	6.4	17.1	11.0
HAGANS MEADOW (CA)	8000	2/26/87	34	9.4	25.6	15.5
HEAVENLY VALLEY (CA)	8850	2/24/87	51	10.4	40.0	25.2
LAKE LUCILLE (CA)	8200	3/02/87	---	26.1E	80.3	51.5
MARLETTE LAKE	8000	2/27/87	47	12.2	36.8	19.0
RICHARDSONS #2 (CA)	6500	2/24/87	---	9.2E	17.9	14.4
RUBICON #1 (CA)	8100	2/27/87	---	16.5E	66.1	39.2
TAHOE CITY CROSS(CA)	6750	2/28/87	28	9.6	22.8	17.5
TRUCKEE, UPPER (CA)	6400	2/27/87	15	5.1	9.6	9.1
WARD CREEK #2 (CA)	7000	3/02/87	50	18.0	45.9	35.3
WARD CREEK #3 (CA)	6750	2/27/87	52	18.1	42.7	32.2
TRUCKEE RIVER						
BIG MEADOWS	8300	2/27/87	38	10.3	37.5	25.9
BOCA #2 (CA)	5900	2/27/87	---	2.5E	--	5.6
BROCKWAY SUMMIT (CA)	7100	2/28/87	32	8.6	25.9	16.1
CASTLE CREEK (CA)	7400	2/27/87	67	23.0	65.9	42.2
DONNER PARK #2 (CA)	6000	2/25/87	---	9.2E	--	14.3
DONNER SUMMIT (CA)	6900	2/25/87	57	19.5	49.6	32.3
FORDYCE LAKE (CA)	6500	2/26/87	42	19.7	42.3	32.7
FURNACE FLAT (CA)	6700	2/26/87	58	23.4	55.3	38.1
INDEPENDENCE CAMP CA	7000	2/27/87	28	8.7	26.7	19.8
INDEPENDENCE CREEK	6500	2/27/87	20	6.2	14.7	11.8
INDEPENDENCE LAKE CA	8450	2/27/87	54	16.1	54.3	34.7
LITTLE VALLEY	6300	2/27/87	14	3.7	--	7.1
MT. ROSE	9000	2/27/87	32	8.8	45.1	30.5
MT. ROSE SKI AREA	9000	3/02/87	54	17.1	62.0	38.6
SAGEHEN CREEK (CA)	6500	2/27/87	---	8.5E	--	15.6
SQUAW VALLEY #2 (CA)	7500	3/02/87	63	33.2	62.0	41.1
SQUAW VALLEY G.C.,CA	8200	3/02/87	68	23.7	63.8	47.3
TAHOE CITY CROSS(CA)	6750	2/28/87	28	9.6	22.8	17.5
TRUCKEE #2 (CA)	6400	2/28/87	---	7.0E	13.2	12.8

SNOW DATA MEASUREMENTS (CONT)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
CARSON RIVER						
BLUE LAKES (CA)	8000	2/25/87	52	14.3	43.2	32.6
CARSON PASS, UP (CA)	8600	2/26/87	58	17.5	52.0	30.4
CLEAR CREEK	7300	4/03/87	21	6.0	19.2	10.7
EBBETTS PASS #2 (CA)	8700	2/26/87	53	14.5	50.0	34.1
MONITOR PASS AM(CA)	8350	2/26/87	34	8.4	25.4	--
POISON FLAT #2 (CA)	7900	2/26/87	38	10.7	25.6	15.8
SPRATT CREEK (CA)	6080	2/26/87	5	1.4	2.5	--
WET MEADOWS #2 (CA)	8100	2/26/87	66	18.4E	52.0	36.2
WALKER RIVER						
CENTER MOUNTAIN (CA)	9400	2/26/87	---	18.8E	48.2	34.2
LEAVITT LAKE (CA)	9400	2/26/87	61	17.5	66.2	41.6
LEAVITT MEADOWS (CA)	7200	2/26/87	22	6.7E	15.5	10.5
LOBDELL LAKE (CA)	9200	2/26/87	33	7.3	22.5	15.9
SAWMILL RIDGE (CA)	8750	2/26/87	35	7.7	34.4	17.5
SONORA PASS (CA)	8800	2/26/87	43	11.2	37.2	22.8
TIOGA PASS (CA)	9900	2/24/87	31	8.7	--	25.5
VIRGINIA LAKES (CA)	9500	2/26/87	29	7.1	24.5	16.2
VIRGINIA LAKES RIDGE	9200	2/26/87	34	7.9	26.0	16.6
WILLOW FLAT (CA)	8250	2/26/87	21	4.2	19.0	10.3
NORTHERN GREAT BASIN						
DISMAL SWAMP #2 (CA)	7000	2/25/87	62	18.0	33.5	50.0
BALD MOUNTAIN AM	6720	2/25/87	8	1.9	2.6	3.4
DISASTER PEAK	6500	2/27/87	21	6.1	13.3	12.9
LITTLE BALLY MTN. AM	6000	2/25/87	15	3.8	4.1	3.3
SNAKE RIVER						
BEAR CREEK	7800	2/28/87	43	10.7	21.8	18.2
FOX CREEK	6800	2/28/87	26	6.4	10.5	9.9
GOAT CREEK	8800	2/28/87	37	8.1	16.4	16.0
HUMMINGBIRD SPRINGS	8950	2/28/87	51	12.2	24.5	20.2
POLE CREEK R.S.	8330	2/28/87	47	10.8	17.2	17.4
SEVENTYSIX CREEK	7100	2/25/87	26	6.5	16.2	11.3
STAG MOUNTAIN AM	7700	3/01/87	---	1.2E	--	5.4

SNOW DATA MEASUREMENTS (CONT)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
OWYHEE RIVER						
BIG BEND	6700	2/25/87	19	4.2	13.2	8.0
FAWN CREEK #2	7050	2/25/87	38	9.1	21.0	7.9
GOLD CREEK	6600	2/25/87	10	2.5	8.7	5.2
JACK CREEK, LOWER	6800	2/25/87	15	4.1	2.5	4.6
JACK CREEK, UPPER	7250	2/25/87	29	7.1	12.1	8.0
JACK CREEK #2,UPPER	7280	2/25/87	46	10.8	18.4	--
JACKS PEAK	8420	2/25/87	53	11.8	26.2	20.3
LAUREL DRAW	6700	2/25/87	28	6.5	12.4	7.7
TAYLOR CANYON	6200	2/25/87	13	2.8	4.3	5.0
HUMBOLDT RIVER, UPPER						
CORRAL CANYON	8500	2/26/87	37	7.6	15.9	13.4
DORSEY BASIN	8100	2/26/87	30	6.5	12.8	11.7
DRAW CREEK #2	7450	2/25/87	27	6.0	16.2	--
DRY CREEK	6500	2/26/87	9	2.1	.0	4.0
FRY CANYON	6700	2/25/87	18	4.8	9.1	6.7
GREEN MOUNTAIN	8000	2/26/87	32	7.3	14.5	11.8
HARRISON PASS #1	6600	2/26/87	15	3.6	.0	3.9
HARRISON PASS #2	7400	2/26/87	17	3.3	3.5	5.0
LAMOILLE #1	7100	2/26/87	27	5.9	9.1	8.4
LAMOILLE #3	7700	2/26/87	35	7.9	13.7	10.6
LAMOILLE #5	8700	2/26/87	55	14.9	38.0	22.8
POLE CANYON #2	7700	2/26/87	23	5.6	15.0	13.5
RODEO FLAT	6800	2/25/87	21	5.5	9.8	5.9
RYAN RANCH	5800	2/26/87	6	.9	.0	1.1
SMITH CREEK	7700	2/26/87	30	6.9	12.2	10.9
TREMEWAN RANCH	5700	2/25/87	3	.4	.0	1.8
TROUT CREEK, LOWER	6900	2/26/87	22	4.0	3.3	7.6
HUMBOLDT RIVER, LOWER						
BIG CREEK MINE	7600	2/25/87	26	5.5	4.4	4.7
BIG CREEK SUMMIT	8700	3/01/87	---	6.8S	16.6	10.0
BIG CREEK, UPPER	7800	3/01/87	17	3.8E	6.4	6.2
BUCKSKIN, LOWER	6700	2/27/87	19	4.6	8.4	8.0
BUCKSKIN, UPPER	8200	2/27/87	19	4.6	12.8	9.5
GOLCONDA #2	6000	2/27/87	20	5.2	6.8	5.2
GRANITE PEAK	7800	2/27/87	37	9.5	36.1	14.4
LAMANCE CREEK	6000	2/27/87	21	5.9	15.5	9.6
MARTIN CREEK	6700	2/27/87	32	8.4o	12.7	9.2

SNOW DATA MEASUREMENTS (CONT)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
EASTERN NEVADA						
BAKER CREEK #1	7950	2/27/87	20	3.6	5.9	5.6
BAKER CREEK #2	8950	2/27/87	28	6.3	16.4	11.0
BERRY CREEK	9100	2/25/87	44	9.1	15.6	11.4
BIRD CREEK	7500	2/25/87	13	2.1	2.1	3.4
HOLE-IN-MOUNTAIN	7900	2/26/87	32	6.2	25.6	18.6
KALAMAZOO CREEK	7400	2/28/87	23	4.9	9.4	6.0
MURRAY SUMMIT	7250	2/23/87	6	.7	1.9	3.0
ROBINSON SUMMIT	7600	2/24/87	10	1.1	.3	2.1
WARD MOUNTAIN #2	9200	2/28/87	22	4.3	10.6	8.2
LOWER COLORADO RIVER						
KYLE CANYON	8200	2/18/87	14	2.9	9.5	9.8
LEE CANYON #2	9000	2/23/87	19	4.2	10.5	8.6
LEE CANYON #3	8500	2/23/87	13	2.1	9.2	8.1
RAINBOW CANYON #2	8100	2/18/87	13	3.2	14.2	13.3

SNOW SAMPLES - DRI-ASC

ELEVATION FEET	LOCATION	SNOW IN.	WATER IN.	DENSITY
5800	Clear Creek	0	0	---
7260	Spooner Summit	28.0	8.1	.29
5250	Cliff Ranch, Franktown	1.5	0.5	.33
6540	Little Valley	15.0	5.2	.35
5160	Davis Creek	0	0	---
4590	Jct. 395 & NV 27	0	0	---
5110	Lancer	0	0	---
5670	Whites Creek	0	0	---
5700	Evergreen Hills Rd.	0	0	---
6000	Jones Creek	1.0	0.4	.40
6400	RNR Forestry Site	12.0	3.2	.27
7060	Reindeer Lodge	18.0	5.6	.31
7440	Galena Creek	36.0	10.4	.29
7620	Sky Tavern	27.0	8.6	.32
8280	Mt. Rose Resort	44.0	12.4	.28
8820	Tamarack Lake	42.0	12.2	.29
8540	Tahoe Meadows	57.0	18.9	.33
8000	Below Incline Lake	43.0	12.9	.30
7300	Apollo Way	23.0	7.4	.32
6235	Third & Incline Creeks	2.0	1.0	.50
7200	Brockway Summit	35.0	11.1	.32
6320	North Star Fire Dept.	14.0	6.4	.46
5900	Truckee - Tahoe Airport	0	0	---
6540	Cabin Creek	25.0	8.9	.36
6240	Squaw Valley Fire Dept.	20.0	6.3	.32
6200	Thunder Cliff	15.0	5.3	.35
6240	Tahoe City	17.0	6.1	.36
6200	Bennett Flat	21.0	8.9	.42
6960	Alder Creek	45.0	15.5	.34
5850	Hobart Mills	10.0	4.2	.42
6340	Sagehen Creek	23.0	(8.1)	(.35)
6410	Henness Past Jct.	22.0	6.6	.30
6200	Fuller Lake	0	0	---
6000	Joy Lake	0.5	0.2	.40

The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

STATE

California Cooperative Snow Surveys
California Department of Parks and Recreation
California Department of Water Resources
Colorado River Commission of Nevada
Idaho Cooperative Snow Surveys
Nevada Association of Conservation Districts
Nevada Department of Conservation & Natural Resources
- Division of Water Resources
- Nevada State Forester
- Division of Conservation Districts

Oregon Cooperative Snow Surveys
University of Nevada, Desert Research Institute
Utah Cooperative Snow Surveys

FEDERAL

Bureau of Reclamation
Forest Service
Geological Survey
Soil Conservation Service
U.S. District Court - Federal Water Master
NOAA, National Weather Service

PRIVATE

Nevada Irrigation District
Owyhee Project North Board of Control
Owyhee Project South Board of Control
Pacific Gas and Electric Company
Pershing County Water Conservation District
Sierra Pacific Power Company
Truckee - Carson Irrigation District
Walker River Irrigation District
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
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